Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/17/2020 10:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125475	0	2.50	125495	2.46
Blue	F	SSC	125000	124830	-1	1.79	125537	1.74
Blue	E	FITC	15892	15636	-2	2.83	341	21.09
Blue	D	PE	29999	29501	-2	2.03	641	15.52
Blue	B	PerCP-Cy5-5	43732	43597	-1	3.83	1172	20.95
Blue	A	PE-Cy7	30845	31018	0	6.49	589	42.72
Red	C	APC	46112	45298	-2	2.52	1596	12.62
Red	A	APC-Cy7	30458	29609	-3	2.36	782	12.54
Violet	B	V450	7918	7571	-5	4.30	431	13.76
Violet	A	V500	32171	31474	-3	4.12	737	10.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17287	13.94	652	31	N/A	N/A	Pass
Blue	F	SSC	57350	1.30	582	23	N/A	N/A	Pass
Blue	E	FITC	62	67.39	552	9	0.0181	170	Pass
Blue	D	PE	135	51.50	558	10	0.1432	257	Pass
Blue	B	PerCP-Cy5-5	215	52.04	665	9	0.0086	80	Pass
Blue	A	PE-Cy7	108	109.24	711	13	0.0101	25	Pass
Red	C	APC	380	25.78	593	9	0.0219	84	Pass
Red	A	APC-Cy7	171	29.65	563	7	0.0049	694	Pass
Violet	B	V450	66	65.14	464	6	0.0502	2657	Pass
Violet	A	V500	110	37.74	480	6	0.0223	1313	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.79	-32.13	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	15.07	13.60 - 20.40	N/A	N/A	29.33	29.98	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9524

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments